



**SLOVENSKI STANDARD**  
**SIST EN 29592-3:1997/A1:1997**  
**01-december-1997**

**Information processing systems - Computer graphics - Programmer's Hierarchical Interactive Graphics System (PHIGS) - Part 3: Clear-text encoding of archive file (ISO/IEC 9592-3:1989, Amendment 1:1992)**

Information processing systems - Computer graphics - Programmer's Hierarchical Interactive Graphics System (PHIGS) - Part 3: Clear-text encoding of archive file (ISO/IEC 9592-3:1989, Amendment 1:1992)

**iTeh STANDARD PREVIEW**

Graphische Systeme der Informationsverarbeitung - Hierarchisches Interaktives Graphisches System für Programmierer - Teil 3: Kodierung der Archiv-Datei mit Text (ISO/IEC 9592-3:1989, Änderung 1:1992)

[SIST EN 29592-3:1997/A1:1997](https://standards.iteh.ai/catalog/standards/sist/2014dde9-4675-4cbb-b6ab-910000000000/sist-en-29592-3:1997/a1:1997)

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Systemes de traitement de l'information - Infographie - Interface de programmation du systeme graphique hiérarchisé (PHIGS) - Partie 3: Codage mode texte en clair du fichier d'archive (ISO/IEC 9592-3:1989, Amendment 1:1992)

**Ta slovenski standard je istoveten z: EN 29592-3:1991/A1:1993**

**ICS:**

35.140      Üæ } æ} ã\ æ\ æã æ      Computer graphics

**SIST EN 29592-3:1997/A1:1997**      en

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EUROPEAN STANDARD

EN 29592-3:1991/A1:1993

NORME EUROPÉENNE

CEN/cs F12

EUROPÄISCHE NORM

September 1993

UDC 681.3.01:681.3.072.2:084

Descriptors: Data processing, teleprocessing, information interchange, graphic data processing, computer interfaces, computer programs, files, archives, codification

English version

**Information processing systems - Computer graphics - Programmer's Hierarchical Interactive Graphics System (PHIGS) - Part 3: Clear-text encoding of archive file (ISO/IEC 9592-3:1989, Amendment 1:1992)**

Systèmes de traitement de l'information - Infographie - Interface de programmation du système graphique hiérarchisé (PHIGS) - Partie 3: Codage mode texte en clair du fichier d'archive (ISO/IEC 9592-3:1989, Amendement 1:1992)

Graphische Systeme der Informationsverarbeitung - Hierarchisches Interaktives Graphisches Systems für Programmierer - Teil 3: Codierung der Archiv-Datei mit Text (ISO/IEC 9592-3:1989, Änderung 1:1992)

<https://standards.iteh.ai/catalog/standards/sist/2014dd9-4675-4cbb-b6ab-85e41791/sist/29592-3:1997-01:1997>

REPUBLIKA SLOVENIJA  
MINISTRSTVO ZA ZNANOST IN TEHNOLOGIJO  
Urad RS za standardizacijo in meroslovje  
LJUBLJANA

SIST. EN 29592-3/A1

PREVZET PO METODI RAZGLASITVE

-12- 1997

This European Standard was approved by CEN on 1993-09-06. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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EN 29592-3:1991/A1:1993

### Foreword

On the proposal of the CEN Central Secretariat, the Technical Board has decided to submit this draft Amendment:

"Information processing systems - Computer graphics - Programmer's Hierarchical Interactive Graphics Systems (PHIGS) - Part 3: Clear-text encoding of archive file (ISO/IEC 9592-3:1989, Amendment 1:1992)"

to the Unique Acceptance Procedure (UAP).

The result of the Unique Acceptance Procedure was positive.

For the time being, this document exists only in English.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 1994, and conflicting national standards shall be withdrawn at the latest by March 1994.

In accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard:

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

[SIST EN 29592-3:1997/A1:1997](https://standards.iteh.ai/catalog/standards/sist/2014dde9-4675-4cbb-b6ab-8541d4a701/sist-en-29592-3-1997-a1-1997)  
**Endorsement notice**

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The text of the International Standard ISO/IEC 9592-3:1989, Amendment 1:1992 was approved by CEN as a European Standard without any modification.



INTERNATIONAL  
STANDARD

ISO/IEC  
9592-3

First edition  
1989-04-01

AMENDMENT 1  
1992-09-01

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**Information processing systems – Computer  
graphics – Programmer’s Hierarchical  
Interactive Graphics System (PHIGS) –**

**Part 3 :**

Clear-text encoding of archive file

**AMENDMENT 1**

SIST EN 29592-3:1997/A1:1997

<https://standards.iteh.ai/catalog/standards/sist/2014/dde9-4675-4abb-b6eb-8f54-7771/sist-29592-3-1997-a1-1997>  
*Systèmes de traitement de l’information – Infographie – Interface de  
programmation du système graphique hiérarchisé (PHIGS) –*

*Partie 3 : Codage mode texte en clair du fichier d’archive*

*AMENDEMENT 1*



Reference number  
ISO/IEC 9592-3 : 1989/Amd.1 : 1992 (E)

## ISO/IEC 9592-3 : 1989/Amd.1 : 1992 (E)

## Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Amendment 1 to International Standard ISO/IEC 9592-3 : 1989 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*.

SIST EN 29592-3:1997/A1:1997

<https://standards.iteh.ai/catalog/standards/sist/2014dde9-4675-4cbb-b6ab-8f54ed4a7c91/sist-en-29592-3-1997-a1-1997>

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## Introduction

This amendment specifies the additions and changes to ISO/IEC 9592-3 to support the structure elements specified in ISO/IEC 9592-4. A clear text encoding is specified for each of the structure element types specified in ISO/IEC 9592-4.

Unless otherwise specified, all references in this amendment refer to ISO/IEC 9592-3.

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**Information processing systems—Computer graphics—  
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Amendment 1**

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**4.2.4.5 Derived types**

Add the following:

**COLRCURVE** ::= <LEFT PAREN><OPTSEP>  
<I:ORDER> <SEP>  
<RLIST:KNOTS> <SEP>  
<RATIONAL | NONRATIONAL> <SEP>  
<I:COLOUR TYPE> <SEP>  
<COLRVLIST:CONTROL\_POINTS>  
<OPTSEP> <RIGHT PAREN>

**COLRSURF** ::= <LEFT PAREN><OPTSEP>  
<I:U\_ORDER> <SEP>  
<I:V\_ORDER> <SEP>  
<RLIST:U\_KNOTS> <SEP>  
<RLIST:V\_KNOTS> <SEP>  
<RATIONAL | NONRATIONAL> <SEP>  
<I:COLOUR\_TYPE> <SEP>  
<COLRVLISTS:CONTROL\_POINTS>  
<OPTSEP> <RIGHT PAREN>

**NOTE:** Each COLRVLIST contains control points along the  $u$  dimension.

**COLRV** ::= < <I:COLOUR\_INDEX>  
<COORDLIST:COLOUR\_COORDINATES>  
>

**COLRVLIST** ::= <LEFT PAREN> <OPTSEP>  
< <COLRV> <<SEP> <COLRV>>\* >  
<OPTSEP> <RIGHT PAREN>

**COLRVLISTS** ::= <LEFT PAREN> <OPTSEP>  
< <COLRVLIST> <<SEP> <COLRVLIST>>\* >  
<OPTSEP> <RIGHT PAREN>

## ISO/IEC 9592-3:1989/Amd.1:1992(E)

COLRVROWS	::= COLRVLISTS
COORDLIST	::= <LEFT PAREN> <OPTSEP> <COORD> << SEP> <COORD>>*<OPTSEP> <RIGHT PAREN>
CURVEAPPROXDATAREC	::= <LEFT PAREN> <OPTSEP> <<I:COUNT>   <R:APPROXIMATION_VALUE>   <S:TYPE_DEPENDENT_DATA>>0 <OPTSEP> <RIGHT PAREN>>
DATAMAPPINGDATAREC	::= <LEFT PAREN> <OPTSEP> < <DATAMAPPINGDATAREC1>   <DATAMAPPINGDATAREC2>   <DATAMAPPINGDATAREC3>   <DATAMAPPINGDATAREC4>   <DATAMAPPINGDATAREC5>   <S:METHOD_DEPENDENT_DATA> >0 <OPTSEP><RIGHT PAREN>
DATAMAPPINGDATAREC1	::= <SOURCESELECTORLIST:SELECTOR>
DATAMAPPINGDATAREC2	::= <SOURCESELECTORLIST:SELECTOR> <SEP> <I:INDEX> <SEP> <R:LOWER_LIMIT> <SEP> <R:UPPER_LIMIT> <SEP> <I:COLOUR_TYPE> <SEP> <CORLVLIST:COLOUR_LIST>
DATAMAPPINGDATAREC3	::= <SOURCESELECTORLIST:SELECTOR> <SEP> <I:INDEX> <SEP> <RLIST:RANGE_BOUNDARIES> <SEP> <I:COLOUR_TYPE> <SEP> <CORLVLIST:COLOUR_LIST>
DATAMAPPINGDATAREC4	::= <SOURCESELECTORLIST:SELECTOR> <SEP> <I:INDEX_1> <SEP> <I:INDEX_2> <SEP> <R:Ra_LOWER_LIMIT> <SEP> <R:Ra_UPPER_LIMIT> <SEP> <R:Rb_LOWER_LIMIT> <SEP> <R:Rb_UPPER_LIMIT> <SEP> <I:COLOUR_TYPE> <SEP> <CORLVLISTS:COLOUR_LISTS>

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DATAMAPPINGDATAREC5	::= <SOURCESELECTORLIST:SELECTOR> <SEP> <I:INDEX_1> <SEP> <I:INDEX_2> <SEP> <RLISTS:Ra_RANGE_BOUNDARIES> <SEP> <RLISTS:Rb_RANGE_BOUNDARIES> <SEP> <I:COLOUR_TYPE> <SEP> <CORLVLISTS:COLOUR_LISTS>
DATASURF	::= <LEFT PAREN> <OPTSEP> <I:U_ORDER> <SEP> <I:V_ORDER> <SEP> <RLIST:U_KNOTS> <SEP> <RLIST:V_KNOTS> <SEP> <RATIONAL   NONRATIONAL> <SEP> <RLISTS:CONTROL_POINTS> <OPTSEP> <RIGHT PAREN>
<b>NOTE:</b> Each RLIST is a single control point. Each RLISTS contains control points along the <i>u</i> dimension.	
DATASURFLIST	::= <LEFT PAREN> <OPTSEP> <DATASURF> <<SEP> <DATASURF>>* <OPTSEP> <RIGHT PAREN>
EDGEDATAFLAG	::= <NONE   EDGE_VISIBILITY_FLAGS >
EDGEFLAG	::= <OFF   ON>
EDGEFLAG2	::= <LEFT PAREN> <OPTSEP> <EDGEFLAG> <SEP> <EDGEFLAG> <OPTSEP> <RIGHT PAREN>
EDGEFLAG2ROW	::= <LEFT PAREN> <OPTSEP> <<EDGEFLAG2> <<SEP> <EDGEFLAG2>>* >0 <OPTSEP> <RIGHT PAREN>
EDGEFLAG3	::= <LEFT PAREN> <OPTSEP> <EDGEFLAG> <SEP> <EDGEFLAG> <SEP> <EDGEFLAG> <OPTSEP> <RIGHT PAREN>
EDGEFLAG3LIST	::= <LEFT PAREN> <OPTSEP> <<EDGEFLAG3> <<SEP> <EDGEFLAG3>>* >0 <OPTSEP> <RIGHT PAREN>
EDGEFLAGLIST	::= <LEFT PAREN> <OPTSEP> <<EDGEFLAG> <<SEP> <EDGEFLAG>>* >0 <OPTSEP> <RIGHT PAREN>
EDGEFLAGLISTS	::= <LEFT PAREN> <OPTSEP> <<EDGEFLAGLIST> <<SEP> <EDGEFLAGLIST>>* >0 <OPTSEP> <RIGHT PAREN>

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